

To: LEE, LILY[LEE.LILY@EPA.GOV]
From: Terry, Robert
Sent: Wed 4/20/2016 8:26:54 PM
Subject: RE: Today's email from Dan Hirsch - FW: Hunters Point info request

I have not been able to locate any evidence that there was a transmittal that formalized the Ra-226 limit of 1 pCi/gm above background.

The Navy has not always used the same value for background. When I came to EPA in 2007, the Navy consistently used a background value of about 0.45 pCi/gm for Ra-226 when assessing radium contamination in the trenches. However, during the past few years they have used several different values and they have not provided any rationale for doing so. Rather than search for any clues in our own files, you will probably find it more expeditious to press the Navy for answers.

-----Original Message-----

From: LEE, LILY
Sent: Monday, April 18, 2016 12:14 PM
To: Chesnutt, John <Chesnutt.John@epa.gov>; Ripperda, Mark <Ripperda.Mark@epa.gov>; Terry, Robert <Terry.Robert@epa.gov>; Lane, Jackie <Lane.Jackie@epa.gov>; Tennis, Rachel <Tennis.Rachel@epa.gov>
Subject: Today's email from Dan Hirsch - FW: Hunters Point info request

Letting you know that I just got this:

Lily Lee
Cleanup Project Manager
Superfund Division
U.S. Environmental Protection Agency, Region 9
75 Hawthorne St. (SFD-8-3)
San Francisco, CA 94105
Tel: 415-947-4187, Fax: 415-947-3518
www.epa.gov/region9/superfund

-----Original Message-----

From: Daniel Hirsch [mailto:dohirsch@ucsc.edu]
Sent: Monday, April 18, 2016 12:04 PM
To: LEE, LILY <LEE.LILY@EPA.GOV>
Cc: Walker, Stuart <Walker.Stuart@epa.gov>
Subject: Hunters Point info request

Hi Lily,

The Hunters Point documents we have been reviewing indicate a remediation level for radium-226 of 1 pCi/g above background, not to exceed 2 pCi/g, "per agreement with EPA." Could you send me documentation of that EPA agreement and its basis, and any risk assessment that was performed at the time of the risk associated with that level of radium? Also, I am having trouble locating the value being employed for radium background—could you let me know what value is being used and where I can find the source for it?

Additionally, I have not been able to locate anything in the links you sent me for the 5-Year reviews regarding EPA review of those reviews as to compliance with EPA CERCLA guidance for radionuclides, including consideration of changes to EPA PRGs. Could you direct me to such review if it took place?

Lastly, during our call last week Derek Robinson from the Navy offered to provide additional information on request. On the 13th I emailed him regarding questions and documents about the Tetra Tech matter. I haven't heard back. Given the upcoming meeting on Thursday, I very much would like to have that

information now. If there is anything you can do to help facilitate getting a response from the Navy, I would appreciate it.

Thank you for your help.

Daniel Hirsch

Director

Program on Environmental and Nuclear Policy College Ten University of California at Santa Cruz